

AMENDMENTS TO THE CLAIMS

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims in the application.

Please amend claim 27, as follows:

1 1. (Previously Presented) A high-speed wireless data system for providing services
2 for terminals of either a public wireless network or a private wireless network, the system
3 comprising:

4 a first hub configured to relay data between a private base station in the private
5 wireless network, a private base station controller in the private wireless network, a private
6 packet data service node, a private authentication system and a second hub, to receive a call
7 connection request signal from a terminal through the private base station, to compare a
8 server address included in an Unicast Access Terminal Identifier (UATI) assigned to the
9 terminal with a set of server addresses pre-stored in the first hub, to transmit the call
10 connection request signal to the private base station controller when a server address
11 included in the Unicast Access Terminal Identifier (UATI) assigned to the terminal is among
12 the set of server addresses pre-stored in the first hub, and to transmit the call connection
13 request signal to a second hub when said server address included in the Unicast Access
14 Terminal Identifier (UATI) is not among the set of server addresses pre-stored in the first
15 hub;

16 the second hub connected to a public base station, a public base station controller, a

17 data location register and a public network packet data service node while being connected
18 to the first hub, the second hub receiving the call connection request signal of the terminal
19 from the first hub and transmitting the call connection request signal to the public network
20 base station controller; and

21 the data location register assigning the Unicast Access Terminal Identifier
22 corresponding to the terminal, when the terminal enters a service area of the private base
23 station.

Claims 2-26 (Cancelled)

1 27. (Currently Amended) The system according to claim 1, wherein:

2 the base station ~~assigns an UATI~~ transfers the assigned Unicast Access Terminal
3 Identifiers (UATIs) to each of the corresponding terminals of the public wireless network
4 and the private wireless network through a wireless channel to provide services of the
5 high-speed wireless data system for each of the terminals;

6 the base station controller performs different authentications for the terminals
7 according to the public wireless network and the private wireless network to one of which
8 each of the terminals belongs, assignment of an UATI to each of the terminals, management
9 of a session for each of the terminals, call connection and control of data transmitted to or
10 received by each of the terminals;

11 the private authentication system includes an authentication database for

12 authenticating the terminal of the private wireless network;

13 the data location register having service information of the public wireless network
14 terminal and information receives services from the private wireless network of the private
15 wireless network terminal; and

16 the private packet data service node provides private wireless data services to the
17 terminal of the private wireless network.

1 28. (Previously Presented) The system according to claim 27, wherein the base
2 station and the base station controller assign an IP address for performing an IP
3 telecommunication, and process data and signaling for the assigned IP address.

1 29. (Previously Presented) The system according to claim 27, wherein, upon the
2 terminal of the private wireless network also being used in the public wireless network, the
3 data location register stores terminal information of the private wireless network.

Claim 30. (Cancelled)

1 31. (Previously Presented) The system according to claim 27, wherein the private
2 authentication system further includes a database for authentication of the terminal of the
3 public wireless network.

1 32. (Previously Presented) A method in a high-speed wireless data system, the
2 method comprising the steps of:

3 storing a plurality of server addresses in a first hub, with the first hub being
4 communicatively connected with at least one private base station in a private network, a
5 private base station controller in the private wireless network controlling the at least one
6 private base station, a private packet data service node, a private authentication system and
7 a second hub, the second hub being communicatively connected with a public base station
8 in a public network, a public base station controller, a data location register, and a public
9 network packet data service node, and the private base station servicing a service area and
10 the data location register assigning an Unicast Access Terminal Identifier (UATI) to each of
11 a plurality of mobile terminals located within the service area, with the UATI containing a
12 server address;

13 receiving an access request signal, from a mobile terminal at a private base station
14 servicing a service area where the mobile terminal is located, with the access request signal
15 comprising a destination address and an UATI of the mobile terminal;

16 transmitting the access request signal from the private base station to the first hub
17 according to the Internet protocol (IP) communication protocol;

18 making a determination, at the first hub, regarding whether the server address
19 contained in the UATI received from the mobile terminal is among the plurality of server
20 addresses stored in the first hub;

21 when the server address contained in the UATI received from the mobile terminal is

22 among the plurality of server addresses stored in the first hub, transmitting the access request
23 signal via the first hub to the private base station controller according to the Internet protocol
24 (IP) communication protocol; and

25 when the server address contained in the UATI received from the mobile terminal is
26 not among the plurality of server addresses stored in the first hub, transmitting the access
27 request signal via the first hub to the second hub according to the Internet protocol (IP)
28 communication protocol.

1 33. (Previously Presented) The method of according to claim 31, the step of said
2 making a determination further comprise, when the server address contained in a destination
3 address in association with the call connection request signal is among the plurality of server
4 addresses stored in the first hub, transmitting the access request signal via the first hub to the
5 private base station controller according to the Internet protocol (IP) communication
6 protocol.

1 34. (Previously Presented) The system of according to claim 1, wherein the first hub
2 configured to transmit the call connection request signal to the private base station controller
3 when the server address included in a destination address in association with the call
4 connection request signal is among a set of server addresses pre-stored in the first hub.